ABSTRACT OF THE DISCLOSURE

The present invention refers to a bearing and lubricant combination for use as a supporting system for a rotating shaft in a smoke and heat exhaust ventilation system and having properties permitting it to fulfill the requirement to withstand an emergency temperature of 600^{0}C for at least 60 minutes, with a stand-still of 2 minutes after 15 minutes exposure to the emergency temperature, wherein the bearing is a martensitic stainless bearing (rings) with a steel cage; and which bearing is lubricated with an electric motor grease with a base oil viscosity in the region of 50-200 cSt at 40^{0}C.